

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A data processing An apparatus having a user interface assisting in searching for information from items of an ordered list in a data array, the items having descriptions, the apparatus comprising:

an array scroller for sequentially displaying the descriptions from the ordered list on the user interface responsive to user actuation; and

a helper character-generator, actuated by continued user actuation of the array scroller, the helper character generator being operative to display a helper character representative of a searching position in the list and of at least some of the information corresponding to the searching position portion of a

description of an item in the ordered list being displayed, the displaying of the helper character being responsive to continued user actuation of the array scroller, wherein the helper character is displayed in a size which is larger than a size of the descriptions.

2. (Currently Amended) The ~~data processing~~ apparatus of claim 1 wherein,

the claim 1, wherein the helper character shows additional helper characters by deactivating the array scroller, then reactivating the array scroller.

3. (Currently Amended) The ~~computing~~ apparatus of claim 1 wherein,

the claim 1, wherein the helper character display corresponds to a ~~is displayed in a determined location on a GUI display.~~

4. (Currently Amended) The apparatus of claim 1, comprising wherein the apparatus comprises at least one of the following: a

handheld device, a mobile telephone, and an Internet-enable device with a browser.

5. (Currently Amended) The apparatus of claim 4, wherein the item is descriptions are selected from at least one of the following: alpha-numerical characters, pictographs, letters in a name, and prefixes in telephone numbers.

6. (Currently Amended) The apparatus of claim 1, wherein the list data array is multi-dimensional.

7. (Currently Amended) The apparatus of claim 1, wherein the helper character-generator renders a helper character comprising at least one of the following: an audio feedback, a video feedback, and a tactile feedback.

8. (Currently Amended) In a data processing environment, a A method for enabling a user to scroll through information in items of an ordered list in a data array accessible through a data

processing device in a data processing environment, the items having descriptions, the method comprising the acts of:

enabling the user to scroll through the list sequentially the descriptions from the ordered list, in response to the user actuating the data processing device; and

generating a helper character representative of a searching position in the list and of at least some of the information corresponding to the searching position; portion of a description of an item in the ordered list being displayed; and

displaying the helper character on a display in response to the user to continue to actuate the data processing device, wherein the helper character is displayed on the display in a size which is larger than a size of the descriptions.

9. (Original) The method of claim 8, wherein the data processing environment comprises a distributed environment.

10. (Currently Amended) Software for being installed on an information processing apparatus, wherein the software renders the

apparatus operative to display a helper character representative of a searching position of an ordered list and of at least some of the information corresponding to the searching position currently being scrolled in response to a user interacting with the apparatus portion of a description of an item in an ordered list being displayed, the display of the helper character being responsive to continued user actuation of the apparatus, wherein the helper character is displayed in a size which is larger than a size of descriptions of items of the ordered list.

11. (Currently Amended) A service supplied in a client-server configuration comprising a client and a server, wherein:

the server provides user-access to an ordered list of information items having descriptions; and

the client is enabled to interact with the server, the server controlling the client to display a helper character representative of a searching position of the list and of at least some of the information corresponding to the searching position currently being searched at the client portion of a description of an item in the

ordered list being displayed, the display of the helper character being responsive to continued user actuation of the client, wherein the helper character is displayed in a size which is larger than a size of the descriptions.

12. (Currently Amended) The service of claim 11,
wherein, client-server configuration of claim 11, wherein the
client comprises at least one of the following:—a handheld device,
a desktop computer, a laptop computer, a wireless telephone
handset, a portable media-playing device, and a cell phone.

13. (Currently Amended) An information storage medium comprising:

an ordered list of information items having descriptions;
at least one respective helper character corresponding with
and representative of a searching position in the list and of at
least some of the information corresponding to the searching
position portion of a description of an item in the ordered list
being displayed on a display, wherein displaying of the helper

character is responsive to continued user actuation of a scroller,
and wherein the helper character is displayed in a size which is
larger than a size of the descriptions; and

control software for controlling a rendering of a specific one
of the helper characters during the scrolling actuation of the
scroller of the corresponding one of the items.

14. (Currently Amended) The information storage medium of claim
13, wherein the ordered list comprises at least one of the
following: a sequence of alpha-numeric characters, a sequence of
pictographs, a sequence of images, a sequence of sounds.

15. (Currently Amended) The information storage medium of claim
14, wherein the rendering of a the specific one of the helper
characters comprises at least one of the following: an audio
feedback, a video feedback, and tactile feedback.

16. (Previously Presented) A data processing apparatus having
a user interface assisting in searching for information from an

ordered list in a data array, the apparatus comprising:

an array scroller adapted to scroll the information at a speed that is responsive to user actuation; and

a helper character-generator, actuated by continued user actuation of the array scroller, the helper character generator being operative to display a helper character that represents a scrolling position in the list and at least some of the information corresponding to the scrolling position.

17. (New) The data processing apparatus of claim 1, wherein the descriptions include alphabetical entries, and the helper character consist of a first alphabetical character of the description of the item in the ordered list being displayed on a display, and wherein deactivating and reactivating the array scroller adds to the display a next alphabetical character of the description.

18. (New) The data processing apparatus of claim 1, wherein the helper character is displayed alphabetical without skipping

PATENT
Serial No. 09/780,229
Amendment in Reply to Decision on Appeal mailed on August 31, 2009

letters not included portions of the descriptions of the ordered list.

19. (New) The data processing apparatus of claim 16, wherein the helper character is displayed in a size which is larger than a size of other characters of the information of the ordered list.